

## WHAT IS CLAIMED IS:

1. A contractible table leg structure, comprising:
  - an external sleeve;
  - a folding rod, being a rod member capable of producing a deformation stress,
  - 5 and passed through the interior of said external sleeve;
  - a bold member, transversally secured on said external sleeve, and producing an external force on said folding rod when said bold member being tightly secured, so that said folding rod producing a deformation stress to press against and position into said external sleeve.
- 10 2. The contractible table leg structure of claim 1, wherein said external casing at its inner bottom comprises a spring that presses and supports the bottom of said folding rod.
3. The contractible table leg structure of claim 1, wherein said folding rod is a rod member having a cross section with successive V-shaped folding surfaces.
- 15 4. The contractible table leg structure of claim 3, wherein said plurality of folding surfaces of the folding rod define a plurality of interface corner and an included angle of said bolt located in the middle.
5. The contractible table leg structure of claim 4, wherein said bolt member produces an external force, acting on the included angle of said bolt member,
- 20 such that said folding rod produces a deformation stress.
6. The contractible table leg structure of claim 3, wherein said folding rod comprises at least 4 folding surfaces with a cross section substantially in successive V-shaped turnings.
7. The contractible table leg structure of claim 1, further comprising a positioning
- 25 decorative sleeve for being sleeved onto the top end of said external sleeve.

8. The contractible table leg structure of claim 7, wherein said positioning decorative sleeve is closed at its top surface and comprises a folding hole with substantially the same shape and size of the cross section of said folding rod for passing said folding rod through said folding hole.
- 5 9. The contractible table leg structure of claim 8, wherein said folding rod at its bottom comprises a folding rod axis limit structure for preventing the folding rod axis from moving upward and being separated from the external sleeve and said positioning decorative sleeve.
- 10 10. The contractible table leg structure of claim 9, wherein said folding rod axis limit structure comprises at least one transversal fixing member disposed at the bottom of said folding rod.
11. The contractible table leg structure of claim 10, wherein said transversal fixing member comprises a screw member each being transversally secured on both sides of the bottom of said folding rod.